

>Title:

CN1149366A: Apparatus and methods for including codes in audio signals and decoding

Derwent Title:

Coding appts. for mixing inaudible identification codes with audio signals - enables inclusion of coded frequency signal with composite audio signals, being recoverable therefrom but inaudible when listening thereto. [Derwent Record]

Country:

Kind:



High Resolution

Inventor:

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W. D. LYNCH; United States of America
M. M. PERELSSTEYN; United States of America

Assignee:

THE ARBITRON CO., A DIVISION OF CERIDIAN CORP. United States of America
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CN1995000193182

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H04H 9/00; H04M 11/06;

H04N 5/38; H04N 5/60;

Core: more...

IPC-7: H04H 9/00;
H04N 7/08;

ECLA Code:

H04H20/262;
H04H9/00P;

Priority Number:

1994- US1994000221019
03-31

1995- US1995000408010
03-24

INPADOC
Legal Status:

None

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Designated Country:

AM AP BB BG BY CN EE
GE KE KG KP KR KZ LK
LR LT LV AT BE CH ES

FR GR IE IT LI MC

Family:

PDF	Publication	Pub. Date	Filed	Title
<input checked="" type="checkbox"/>	WO9527349A1	1995-10-12	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	US20060222179A1	2006-10-05	2005-11-04	Apparatus and methods for including codes in audio signals
<input checked="" type="checkbox"/>	US20030081781A1	2003-05-01	2002-07-12	Apparatus and methods for including codes in audio signals
<input checked="" type="checkbox"/>	US6996237	2006-02-07	2002-07-12	Apparatus and methods for including codes in audio signals
<input checked="" type="checkbox"/>	US6421445	2002-07-16	1998-06-08	Apparatus and methods for including codes in audio signals
<input checked="" type="checkbox"/>	US5764763	1998-06-09	1995-03-24	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	US5450490	1995-09-12	1994-03-31	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	SE9603570A0	1996-09-30	1996-09-30	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	SE9603570A	1996-11-29	1996-09-30	Apparatur och metoder för att inkludera koder i audiosignalen och för avkodning av sådana koder.
<input checked="" type="checkbox"/>	SE0519882C2	2003-04-22	1996-09-30	Apparatur och metoder för att inkludera koder i audiosignalen och för avkodning av sådana koder.
<input checked="" type="checkbox"/>	PL0316631A1	1997-02-03	1995-03-27	APPARATUS FOR AND METHODS OF INCLUDING CODES INTO AUDIO SIGNALS AND DECODING SUCH CODES
<input checked="" type="checkbox"/>	PL0187110B1	2004-05-31	1995-03-27	METHOD OF ACTIVATING MULTI FREQUENCY CODE-FOR SOUND SIGNAL
<input checked="" type="checkbox"/>	PL0183573B1	2002-06-28	1995-03-27	AUDIO SIGNAL ENCODING SYSTEM AND DECODING SYSTEM
<input checked="" type="checkbox"/>	PL0183307B1	2002-06-28	1995-03-27	AUDIO SIGNAL ENCODING SYSTEM
<input checked="" type="checkbox"/>	PL0180441B1	2001-02-28	1995-03-27	METHOD OF AND APPARATUS FOR CODE DETECTING
<input checked="" type="checkbox"/>	PL0177808B1	2000-01-31	1995-03-27	APPARATUS FOR AND METHODS OF INCLUDING CODES INTO AUDIO SIGNALS AND DECODING SUCH CODES
<input checked="" type="checkbox"/>	NZ0502630A	2001-10-26	1995-03-27	ENCODING DATA ONTO AUDIO SIGNAL WITH MULTIFREQUENCY SETS SIMULTANEOUSLY PRESENT ON SIGNAL

<input checked="" type="checkbox"/>	<u>NZ0331166A</u>	2000-07-28	1995-03-27	Hiding audio frequency codes in audio frequency program signals
<input checked="" type="checkbox"/>	<u>NZ0283612A</u>	1998-09-24	1995-03-27	AN AUDIO SIGNAL MASKS AND RENDERS INAUDIBLE A DETECTABLE AUDIO FREQUENCY CODE SIGNAL INCORPORATED INTO THE AUDIO SIGNAL
<input checked="" type="checkbox"/>	<u>NO0964062A0</u>	1996-09-26	1996-09-26	Apparater og fremgangsmåter for å inkludere koder i audiosignaler og dekoding
<input checked="" type="checkbox"/>	<u>NO0964062A</u>	1996-11-19	1996-09-26	Apparater og fremgangsmåter for å inkludere koder i audiosignaler og dekoding
<input checked="" type="checkbox"/>	<u>NO0322242B1</u>	2006-09-04	1996-09-26	Anordning og fremgangsmater for a detektere en kode i et kodet audiosignal
<input checked="" type="checkbox"/>	<u>LU0088820A</u>	1997-03-18	1996-09-30	Vorrichtung und Verfahren zum Einfuegen von Kodes in Audiosignale und zum Dekodieren
<input checked="" type="checkbox"/>	<u>JP2006154851A2</u>	2006-06-15	2006-01-26	APPARATUS AND METHOD FOR INCLUDING CODE IN AUDIO SIGNAL AND DECODING
<input checked="" type="checkbox"/>	<u>JP10500263T2</u>	1998-01-06	1995-03-27	
<input checked="" type="checkbox"/>	<u>IL0133707A1</u>	2003-10-31	1995-03-30	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133707A0</u>	2001-04-30	1999-12-23	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133706A1</u>	2003-10-31	1995-03-30	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133706A0</u>	2001-04-30	1999-12-23	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133705A1</u>	2004-01-04	1995-03-30	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133705A0</u>	2001-04-30	1999-12-23	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	<u>IL0133704A1</u>	2003-10-31	1995-03-30	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
	<u>IL0133704A0</u>	2001-04-30	1999-12-23	APPARATUS AND METHODS FOR INCLUDING CODES IN

<input checked="" type="checkbox"/>			AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133703A1	2003-09-17	1995-03-30 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133703A0	2001-04-30	1999-12-23 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133702A1	2003-09-17	1995-03-30 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133702A0	2001-04-30	1999-12-23 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133701A1	2003-11-23	1995-03-30 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133701A0	2001-04-30	1999-12-23 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133700A1	2003-10-31	1995-03-30 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0133700A0	2001-04-30	1999-12-23 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	IL0113190A1	2000-06-29	1995-03-30 Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	IL0113190A0	1995-06-29	1995-03-30 Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	HU9602628A0	1996-11-28	1995-03-27 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	HU0219668B	2001-06-28	1995-03-27 APPARATUS AND METHOD FOR INCLUDING A CODE HAVING AT LEAST ONE CODE FREQUENCY COMPONENT WITH AN AUDIO SIGNAL HAVING A PLURALITY OF AUDIO SIGNAL FREQUENCY COMPONENTS
<input checked="" type="checkbox"/>	HU0219667B	2001-06-28	1995-03-27 APPARATUS AND METHOD FOR INCLUDING A CODE HAVING AT LEAST ONE CODE FREQUENCY COMPONENT WITH AN AUDIO SIGNAL

			HAVING A PLURALITY OF AUDIO SIGNAL FREQUENCY COMPONENTS
<input checked="" type="checkbox"/>	<u>HU0219628B</u>	2001-05-28	1995-03-27 APPARATUS AND METHOD FOR INCLUDING A CODE HAVING AT LEAST ONE CODE FREQUENCY COMPONENT WITH AN AUDIO SIGNAL INCLUDING A PLURALITY OF AUDIO SIGNAL FREQUENCY COMPONENTS
<input checked="" type="checkbox"/>	<u>HU0219627B</u>	2001-05-28	1995-03-27 APPARATUS AND METHOD FOR ENCODING AN AUDIO SIGNAL
<input checked="" type="checkbox"/>	<u>HU0219256B</u>	2001-03-28	1995-03-27 APPARATUS AND METHOD FOR INCLUDING A CODE HAVING AT LEAST ONE CODE FREQUENCY COMPONENT WITH AN AUDIO SIGNAL HAVING A PLURALITY OF AUDIO SIGNAL FREQUENCY COMPONENTS
<input checked="" type="checkbox"/>	<u>HU0076453A2</u>	1997-09-29	1995-03-27 APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING SUCH CODES
<input checked="" type="checkbox"/>	<u>HU0004770A0</u>	2001-02-28	1995-03-27
<input checked="" type="checkbox"/>	<u>HU0004769A0</u>	2001-02-28	1995-03-27
<input checked="" type="checkbox"/>	<u>HU0004768A0</u>	2001-02-28	1995-03-27
<input checked="" type="checkbox"/>	<u>HU0004767A0</u>	2001-02-28	1995-03-27
<input checked="" type="checkbox"/>	<u>HU0004766A0</u>	2001-02-28	1995-03-27
<input checked="" type="checkbox"/>	<u>HU0004765A0</u>	2001-02-28	1995-03-27
	<u>GB9823987A0</u>	1998-12-30	1995-03-27 Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	<u>GB9823987A</u>	1998-12-30	1995-03-27 APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
	<u>GB9818355A0</u>	1998-10-14	1995-03-27 Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	<u>GB9818355A</u>	1998-10-14	1995-03-27 APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
	<u>GB9818354A0</u>	1998-10-14	1995-03-27 Apparatus and method for decoding codes in audio signals
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	<u>GB9818353A0</u>	1998-10-14	1995-03-27 Apparatus and method for decoding codes in audio signals
<input checked="" type="checkbox"/>	<u>GB9818353A</u>	1998-10-14	1995-03-27 APPARATUS AND METHOD FOR DECODING CODES IN AUDIO SIGNALS
	<u>GB9818352A0</u>	1998-10-14	1995-03-27 Apparatus and method for including codes in audio signals

<input checked="" type="checkbox"/>	GB9818352A	1998-10-14	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
	GB9818349A0	1998-10-14	1995-03-27	Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	GB9818349A	1998-10-14	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
	GB9818347A0	1998-10-14	1995-03-27	Apparatus and method for including codes in audio signals
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	GB9818342A0	1998-10-14	1995-03-27	Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	GB9818342A	1998-10-14	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
	GB9620181A0	1996-11-13	1995-03-27	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	GB9620181A	1996-11-13	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	GB2327582B2	1999-03-17	1995-03-27	Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	GB2327582B	1999-03-17	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
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<input checked="" type="checkbox"/>	GB2327582A	1999-01-27	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
<input checked="" type="checkbox"/>	GB2325832B2	1999-01-27	1995-03-27	Apparatus and method for including codes in audio signals
<input checked="" type="checkbox"/>	GB2325832B	1999-01-27	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
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<input checked="" type="checkbox"/>	GB2325831A1	1998-12-02	1995-03-27	Apparatus and method for detecting codes in audio signals
<input checked="" type="checkbox"/>	GB2325831A	1998-12-02	1995-03-27	APPARATUS AND METHOD FOR DETECTING CODES IN AUDIO SIGNALS

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<input checked="" type="checkbox"/>	GB2325826A	1998-12-02	1995-03-27	APPARATUS AND METHOD FOR INCLUDING CODES IN AUDIO SIGNALS
<input checked="" type="checkbox"/>	GB2302000B2	1999-01-27	1995-03-27	Apparatus and methods for including codes in audio signals
<input checked="" type="checkbox"/>	GB2302000B	1999-01-27	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS

<input checked="" type="checkbox"/>	GB2302000A1	1996-12-18	1995-03-27	Apparatus and methods for including codes in audio signals and decoding
<input type="checkbox"/>	GB2302000A	1996-12-18	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	FI0963827A0	1996-09-25	1996-09-25	Laite ja menetelmä koodien sisällyttämiseksi audiosignaaleihin ja niiden dekoodaus
<input checked="" type="checkbox"/>	FI0963827A	1996-11-29	1996-09-25	Laite ja menetelmä koodien sisällyttämiseksi audiosignaaleihin ja niiden dekoodaus
<input checked="" type="checkbox"/>	FI0115938B1	2005-08-15	1996-09-25	Laite ja menetelmä koodien sisällyttämiseksi audiosignaaleihin ja niiden dekoodaus
<input type="checkbox"/>	EP0753226A4	2000-08-16	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input type="checkbox"/>	EP0753226A1	1997-01-15	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
<input checked="" type="checkbox"/>	DK0105996A	1996-11-14	1996-09-27	
<input checked="" type="checkbox"/>	DE19581594T	1997-03-27	1995-03-27	Vorrichtung und Verfahren zum Einfügen von Kodes in Audiosignale und zum Dekodieren
<input checked="" type="checkbox"/>	CZ9602840A3	1997-04-16	1995-03-27	METHOD OF INTRODUCING CODES IN AUDIO SIGNALS AND FOR DECODING AS WELL AS APPARATUS FOR MAKING THE SAME
<input checked="" type="checkbox"/>	CZ0288497B6	2001-06-13	1995-03-27	Method for including a code having at least one code frequency component in an audio signal, apparatus for making the same as well as methods for detecting such code
<input checked="" type="checkbox"/>	CN1149366A	1997-05-07	1995-03-27	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	CH0694652A	2005-05-13	1995-03-27	Vorrichtung und Verfahren zum Einfügen von Kodes in ein Audiosignal.
<input checked="" type="checkbox"/>	CA2185790AA	1995-10-12	1995-03-27	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS AND DECODING
				Aparelho e processo para inclusão de um código com pelo menos um componente de

<input checked="" type="checkbox"/>	<u>BR9507230A</u>	1997-09-16	1995-03-27	frequência de código em um sinal de áudio com uma pluralidade de componentes de frequência de sinal de áudio aparelho e processo para codificação de um sinal de áudio aparelho e processo para detecção de um código em um sinal de áudio codificado e computador digital prog
<input checked="" type="checkbox"/>	<u>AU2196995A1</u>	1995-10-23	1995-03-27	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	<u>AU0763243B2</u>	2003-07-17	1999-12-09	APPARATUS AND METHODS FOR INCLUDING CODES IN AUDIO SIGNALS
<input checked="" type="checkbox"/>	<u>AU0709873B2</u>	1999-09-09	1995-03-27	Apparatus and methods for including codes in audio signals and decoding
<input checked="" type="checkbox"/>	<u>AT0902795A5</u>	2002-05-15	1995-03-27	VORRICHTUNG UND VERFAHREN ZUM EINFÜGEN VON KODES IN AUDIOSIGNALE UND ZUM DEKODIEREN
<input checked="" type="checkbox"/>	<u>AT0902795A</u>	2002-05-15	1995-03-27	VORRICHTUNG UND VERFAHREN ZUM EINFÜGEN VON KODES IN AUDIOSIGNALE UND ZUM DEKODIEREN
<input checked="" type="checkbox"/>	<u>AT0410047B</u>	2003-01-27	1995-03-27	VORRICHTUNG UND VERFAHREN ZUM EINFÜGEN VON KODES IN AUDIOSIGNALE UND ZUM DEKODIEREN
129 family members shown above				

Other Abstract DERABS G95-327971 DERABS G95-358824
 Info: